

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
23 October 2003 (23.10.2003)

PCT

(10) International Publication Number
WO 03/088501 A2

(51) International Patent Classification: H03M 13/00

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(21) International Application Number: PCT/IB03/01542

(22) International Filing Date: 17 April 2003 (17.04.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 02076526.9 18 April 2002 (18.04.2002) EP

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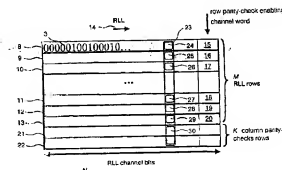
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(NL).(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD,
SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US,
UZ, VC, VN, YU, ZA, ZM, ZW.(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished
upon receipt of that report

[Continued on next page]

(54) Title: SIGNAL, STORAGE MEDIUM, METHOD AND DEVICE FOR ENCODING, METHOD AND DEVICE FOR DE-
CODING

WO 03/088501 A2

(57) Abstract: The invention relates to a signal comprising a runlength limited (RLL) encoded binary d,k channel bitstream 3, wherein parameter d defines a minimum number and parameter k defines a maximum number of zeroes between any two ones of said bitstream 3 or vice versa, comprising a number of sections of respectively N successive RLL channel bits, called RLL rows 8-13, 45, each RLL row 8-13, 45 representing a parity-check code-word, called row parity-check code-word, in which a so-called row-based parity-check constraint for said RLL row 8-13, 45 has been realized, characterized in that K sections of respectively N successive channel bits, called column parity-check rows 21, 22, 43, 44, 46, are located at predetermined positions of a group of RLL rows 8-13, 45, K , N and M being integer values, said column parity-check rows 21, 22, 43, 44, 46 comprising a plurality of column parity-check enabling channel words 30, 42, 48, wherein each of said column parity-check enabling channel words 24-29 of at least said M RLL rows 8-13, 45 of said group that correspond to a specific column parity-check enabling channel word 30, 42, 48, hereby constituting a column parity-check codeword. Furthermore, the invention relates to a storage medium comprising such a signal as well as a method and a device for encoding a stream of user data bits into such a signal as well as a method and a device for decoding such a signal.

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